



Temporary Food Establishment Food Handler's Training

Environmental Health
Department of Public Health
Fort Riley



PURPOSE OF TRAINING



- To reduce the likeliness of a foodborne disease illness through education on food handling and storage.
- To emphasize the importance of proper personal hygiene while involved in preparing or serving food.



INTRODUCTION



- Only a small percentage of actual foodborne illness cases ever get reported.
- 2011 Estimates of Foodborne Illness in the United States
- CDC estimates that each year:
 - *1 in 6 Americans (or 48 million people) get sick
 - *128,000 are hospitalized
 - *3,000 die of a foodborne disease



REQUIREMENTS FOR SERVING FOOD



TO THE PUBLIC

- All requirements are in accordance with TB Med 530, Occupational and Environmental Health Food Sanitation.
- All Family Readiness Group (FRG) members or volunteers, vendors who will be serving food on Ft. Riley for less than 30 days who prepare, serve or cook food, must have the annual Food Handler's certification.
- All food handler's must have their Food Handler card present, while conducting food operations as a temporary food establishment



- Inspection Sheet used by Public Health personnel while inspecting Temp Food Booths/Vendors

SPECIAL EVENT FOOD SANITATION INSPECTION FORM IAW TB MED 530 AND OTHER LOCAL PROVISIONS			
Name of Organization:		Booth #	
Name of Food Supervisor:		Date/Time:	
Inspection Checklist		YES	NO
Foodhandlers:			
1. Have access to hand-washing facility/device and are washing hands with soap and water.		<input type="checkbox"/>	<input type="checkbox"/>
2. Use plastic gloves and are not using the gloves as a substitute for hand-washing.		<input type="checkbox"/>	<input type="checkbox"/>
3. Are wearing proper hair restraints to prevent hair from falling into food items.		<input type="checkbox"/>	<input type="checkbox"/>
4. Are not wearing jewelry such as watches, bracelets, rings, and earrings (exceptions are single smooth wedding band and medical bracelet).		<input type="checkbox"/>	<input type="checkbox"/>
Foods:			
5. Cold foods are kept at 40°F (4.5 or below). Hot foods are kept at 140°F (60°C) or above.		<input type="checkbox"/>	<input type="checkbox"/>
6. All food items protected from other sources of contamination.		<input type="checkbox"/>	<input type="checkbox"/>
7. Foods are properly thawed, not re-frozen, and not expired.		<input type="checkbox"/>	<input type="checkbox"/>
8. Delicatessen type salads (potato salads, macaroni salads, etc.) are not served (such items are hard to maintain proper temperatures during temporary food service).		<input type="checkbox"/>	<input type="checkbox"/>
9. Ice used for consumption is stored in a clean container and obtained from an approved source.		<input type="checkbox"/>	<input type="checkbox"/>
Other:			
10. Food contact surfaces such as equipment and utensils are cleaned frequently with a sanitizing solution. There is a wash, rinse, and sanitizing container for utensils/equipment.		<input type="checkbox"/>	<input type="checkbox"/>
11. Garbage is removed from food preparation areas on a frequent basis. Garbage containers are closed when not in use.		<input type="checkbox"/>	<input type="checkbox"/>
12. A sanitizing solution with at least 50 ppm is available and used. (Standard bleach solution is 1 tablespoon of bleach to 1 gallon of water.		<input type="checkbox"/>	<input type="checkbox"/>
Remarks/Recommendations:			
Inspector's Signature:		Food Booth Representative's Signature:	



DEFINITIONS



- **Clean** - free of visible soil.
- **Sanitize** - reduce the number of microorganisms to a safe level using heat or chemicals.
- **Contamination** - the presence of harmful substance in food.
- **Ready-to-Eat foods**- food that is in a form that is edible without any additional preparation (ex: raw, washed, cut fruits, prepared foods, salads, etc)





DEFINITIONS, CONTD.



- **Spoilage** - Damage to the edible quality of a food.
Ex. Meat that is unsafe to eat will not always smell or taste spoiled.
- **Potentially Hazardous Foods (PHF's)** - Foods that allow the rapid growth of bacteria. Ex. Poultry, dairy products, raw eggs in shells, raw animal meats





DEFINITIONS, CONTD.



- **Temperature Danger Zone (TDZ)** - Temperature range where bacteria can grow and reproduce rapidly (between 40 and 140 degrees F, or between 5 and 60 degrees C.) Potentially hazardous foods should be kept at temperatures below 40 °F or above 140 °F. Foods not maintained through refrigeration or hot holding may only be maintained for UP TO 4 HOURS.
- **Foodborne Illness** - Illness transmitted to humans due to the ingestion of food that contains harmful pathogens or their byproducts (toxins).



DEFINITIONS, CONTD.



- **Foodborne Illness Outbreaks (FBIOs)** - Generally, we think of a foodborne illness outbreak as involving 20, 50, or even hundreds of individuals. In reality, an outbreak is defined as the laboratory confirmed incidence of clinical illness involving two or more people that consumed a common food



DEFINITIONS, CONTD.



- **Cross-contamination** - the transfer of a harmful substance from one food to another by direct or indirect contact.
 - **Direct cross-contamination** involves the transfer of a harmful agent from raw foods to cooked or ready-to-eat foods.
 - example of direct contact: blood from thawing ground beef dripping onto fresh produce stored on a shelf below.
 - **Indirect cross-contamination** involves the transfer of a harmful agent to foods by hands, utensils, or equipment.
 - example of indirect contact: knife and cutting board were used to prepare raw chicken, but not cleaned and sanitized after use.



WHAT CAUSES AN FBIO



- Cross-contamination from raw and cooked and/or ready-to-eat foods.
- Inadequate reheating of PHF's.
 - Leftovers must be heated to 165 °F within 2 hours.
- Allowing foods to remain in the Temperature Danger Zone for more than four cumulative hours.





WHAT CAUSES AN FBIO, cont.



- Failure to properly heat or cook foods.
- Infected food handlers and poor hygiene/sanitation habits.
 - Between September 1998 and May 2000, there were two confirmed foodborne illness outbreaks in Army dining facilities attributed to cross-contamination of food by infected employees; over 200 soldiers were hospitalized.
- Failure to properly cool food is the number one cause of FBIOs in the United States.
 - Poor cooling practices result in potentially hazardous foods being held in the TDZ for long periods of time.



CHARACTERISTICS OF AN FBIO



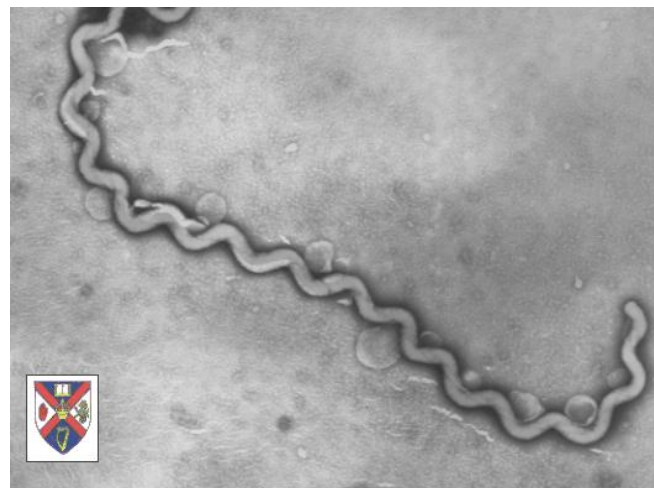
- Agents that cause foodborne illness cannot be tasted or smelled.
- Highly preventable with proper food preparation and cooking procedures.
- Chances are your last meal was not the source of your illness. The time delay for common foodborne illnesses can range from 30 minutes to more than 30 days.



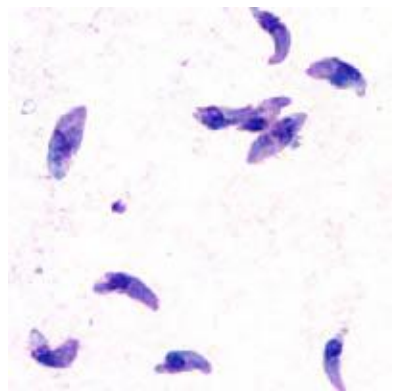
COMMON PATHOGENS



Salmonella



Leptospirosis



Toxoplasmosis



HANDWASHING



- Use soap, warm water and disposable towels
- Scrub for at least 20 seconds
- Use sanitizer AFTER washing hands, not as a substitution
- Food vendor/ booth must have access to a hand washing facility/device



How to wash your hands properly



1 Wet your hands



2 Liquid soap



3 Lather and scrub - 20 sec



4 Rinse - 10 sec



5 Dry your hands



6 Turn off tap

DON'T FORGET TO WASH:

- between your fingers
- under your nails
- the tops of your hands



WASH HANDS AFTER:



- Touching unsanitary areas of the body
- Using a handkerchief
- Handling unclean equipment, utensils, etc
- Handling raw food
- Smoking
- Bussing dishes
- Handling garbage





GLOVE USEAGE



- Gloves must be used at all times
- Wash hands first!
- Change gloves if:
 - *Torn
 - *When changing tasks
(ex: switching from serving meats to serving fruit)
 - *Soiled





FOOD QUALITY



- All food will be obtained from an approved source IAW AR 40-657
(contact Veterinary Services for local and approved suppliers- 785-239-2732).
- Food prepared in the home will have ingredients purchased from approved sources and will be labeled as “HOMEMADE” at the event/vendor.
- All food will be free of hazards.
 - Chemical
 - Physical
 - Biological





FOOD SERVICE PERSONNEL



- Must be healthy.
- **Do not prepare food for others if you have nausea, vomiting, diarrhea, jaundice, fever or sore throat with fever.
- All exposed skin will be clean.
- Must follow hand washing procedures
- Fingernails will be trimmed and maintained.
- Only jewelry allowed is wedding band and/or medical alert bracelet.
- Clothing will be clean and a hair restraint will be worn.



JEWELRY



- Jewelry is prohibited from wearing while preparing or serving food, due to the risk of contaminating food:
- Only authorized jewelry is:
 - *plain wedding bands
 - *medical alert bracelets
- Exposed body jewelry such as nose piercings and naval piercings are not authorized
- Rings with gems are not allowed while handling food





HAIR RESTRAINTS



- Keeps hair from entering food.
- Keeps hands from touching hair.
- If a food handler has a beard, they must wear a beard restraint.
- **Effective hair restraints include hair nets, disposable hats & baseball hats (with long hair tucked into cap).**

INCORRECT WEAR



CORRECT HEADGEAR



EQUIPMENT



- All food service equipment and utensils will meet applicable standards.
- All equipment, food-contact and nonfood-contact surfaces, and utensils will be clean to sight and touch.
 - Food-contact surfaces will be cleaned before and after each different food item or every 30 minutes when working with a PHF.
 - This will be performed by washing, rinsing and sanitizing surfaces





SANITIZING SOLUTION



- Must be present at booth/facility
- Must be used to wipe down food and non- food contact surfaces at regular intervals
- Acceptable sanitizers:
 - *Clorox wipes
 - *Bleach solution
- Bleach solution must be held at 100 ppm (this is checked by using chlorine test strips)





USE OF THERMOMETERS



- Thermometers will be provided for all cold- food holding units (ex. coolers, refrigerators, freezers) and hot holding units.
- Food thermometers
 - Clean & sanitize the thermometer before and after each food item.
 - Sense in the thickest part of the product, not near the bone.
 - Allow time for the thermometer to stabilize
- Thermometers will be maintained in good condition and accurately calibrated to ± 2 °F weekly or more often if necessary.





FOOD STORAGE GUIDELINES



- Keep potentially hazardous foods out of the TDZ.
- Check the temperature of food and storage areas.
- Store food in clean wrappers & containers. Baked goods should be individually wrapped.
- Storage areas should be clean and dry.
- Clean dollies, carts, and transporters often.
- Store food only in areas designed for storage.
- Store all food, plates, cups, and flatware at least 6" off the ground.
- Food storage temperatures are as follows:
 - Frozen: 0 °F or below
 - Refrigerated: 40 °F or below



THAWING FOOD



- Do NOT thaw foods at room temperature
- Approved methods:
 - Refrigeration (Best Method).
 - Cooking.
 - Under cool running water.
 - Microwave.
 - Must be cooked immediately.



MINIMUM COOKING TEMPERATURES

- Eggs (made to order) 145 °F (63 °C)
- Fish 145 °F (63 °C)
- Beef 145 °F (63 °C)
- Ground beef 155 °F (66 °C)
- Pork 155 °F (66 °C)
- Eggs (batch cooked) 155 °F (66 °C)
- Poultry 165 °F (74 °C)
- Stuffed Meats 165 °F (74 °C)
- Dressing 165 °F (74 °C)
- Leftovers 165 °F (74 °C)
- *Note: Foods with higher cooking temperatures will be stacked below foods with lower cooking temperatures.*



HOT HOLDING



- NEVER use hot-holding equipment to reheat foods.
- Check internal food temperature at least every 2 hours.
- Keep foods covered.
- Keep foods at 140 °F or higher.
- Use proper utensils for serving.
- Discard all food after service from self service bar.
- NEVER mix freshly prepared food with food already being served in self service lines.



LEFTOVERS



Do not keep ANY PHFs at the end of your event unless you use a refrigeration unit that was monitored to keep 40°F or lower



DELICATESSAN-TYPE SALADS



- Deli- type salads are prohibited, due to their ability to maintain bacteria, and their difficulty to maintain proper temperatures at temporary food establishments





ICE



- Ice used for consumption must be stored in a clean, sanitized container
- Must be from an approved source (contact Vet Services)
- Ice that is used to keep food products cold (ex. In a cooler), cannot be used for consumption





SERVICE



- Servers
 - Use serving utensils, NEVER touch food with hands (if you can touch hot foods with a gloved hand it's probably not 140°F.)
 - Practice good personal hygiene.
- Self-service areas
 - Constantly monitor
 - Maintain food at proper temperatures.
 - Keep raw foods separated from cooked or ready-to-eat items.



CHILDREN AND PETS



- Children and pets are prohibited inside food booths or within roped area, for grills





PESTS



- Lower the risk of flies and other pests by keeping trash away from food and keeping trash receptacles covered when not in use
- Fans may be used within food booth or food area to draw flying pests away from area. Fans must be clean and without dust on surfaces to avoid contaminating food sources





SUMMARY



- Some important questions/answers you should take away:
 - What is a PHF?
 - What is the TDZ?
 - What are good personal hygiene practices?
 - What is the proper storage, handling, and service of food?



QUESTIONS?



Contact: Environmental Health Section
Bldg 610, Warrior Rd. Fort Riley
239-7843



FOOD HANDLER'S QUIZ



- The link for the quiz website is at the end of the slideshow.
- Follow the next slides to Register, Enroll and take the Quiz.
- This course is not valid without the quiz and a Food Handler's card, from Environmental Health, Department of Public Health.



- The link for the quiz website:

<http://quizstar.4teachers.org/indexs.jsp>



ON THE WEBSITE...



- Click “Sign Up”

QuizStar students

Welcome to QuizStar

QuizStar is very easy to use!

First visit to QuizStar?

1. Sign up
2. Search for your instructor's classes
3. Register for classes
4. Start taking quizzes

Returning to QuizStar?

1. Login
2. View quizzes to take
3. Review previously taken quizzes
4. Search for additional classes

Download the Student Tutorial

- [.doc file \(1.1MB\)](#)
- [.pdf file \(0.9MB\)](#)

Sign Up

Login

Username:

Password:

[Go back to main page](#)



REGISTER



- Registering
- Enter:
 - First Name
 - Last Name
 - Username
 - Password
 - Then click “Register”

The screenshot shows the QuizStar website's student registration page. The header features the QuizStar logo and the word 'students'. The main section is titled 'Student Registration' and includes a brief instruction: 'Enter your personal information in the form below. If you forget your password, you can contact your instructor to have your password reassigned.' Below this is a form titled 'Enter your information' with several input fields: 'First Name' (containing 'Joey'), 'Last Name' (containing 'Doe'), 'Username' (containing 'jodo83'), 'Create Password' (with a masked field of dots), and 'Re-type Password' (also masked). To the right of these fields are instructions: 'If you are under age 13, type your first name and last initial. Please do not enter any personally identifiable information.', 'Create an unique username to login to QuizStar. (minimum of 3 characters with no spaces)', and 'Use a password that only you will know and remember. (minimum of 5 characters)'. At the bottom of the form is a note: 'NOTE - Your instructors are able to change your profile information at any time.' and two buttons: 'Register' and 'Cancel'. The footer of the page includes the '4teachers.org' logo, a list of other tools (TrackStar, RubiStar, NoteStar, Profiler Pro, More Tools), a link to the Privacy Policy, and copyright information for ALTEC - Advanced Learning Technologies, Center for Research on Learning at The University of Kansas.

QuizStar

students

Student Registration

Enter your personal information in the form below. If you forget your password, you can contact your instructor to have your password reassigned.

Enter your information

First Name	Joey	If you are under age 13, type your first name and last initial. Please do not enter any personally identifiable information.
Last Name	Doe	
Username	jodo83	Create an unique username to login to QuizStar. (minimum of 3 characters with no spaces)
Create Password	••••••	Use a password that only you will know and remember. (minimum of 5 characters)
Re-type Password	••••••	

NOTE - Your instructors are able to change your profile information at any time.

Register Cancel

4teachers.org TrackStar | RubiStar | NoteStar | Profiler Pro | More Tools Privacy Policy | Terms of Use | Contact Us | ALTEC

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Center for Research on Learning at The University of Kansas



SEARCH



Click “Search”

The screenshot shows the QuizStar website. At the top, the QuizStar logo is on the left and the word 'students' is on the right. Below the logo, a red arrow points to a yellow 'SEARCH' button. The page content includes a welcome message for 'Joey Doe' with links to 'profile' and 'logout'. Below this is a 'Classes' section with a paragraph explaining that classes are listed below and that users can click on links to see quizzes or enroll in new ones. A 'How to enroll into a class' section follows, with a paragraph explaining the search process. At the bottom, a flowchart shows three steps: 'Search' (Type in a class or quiz name), 'Results' (Select the appropriate class), and 'Finished' (Return to your Classes page). A link 'Click here to search a new class' is provided below the flowchart.

Welcome, Joey Doe [profile](#) - [logout](#)

SEARCH

Classes

The classes for which you have registered are listed below. Each class has its own quizzes. Click on the link to the class page to see which quizzes you need to take or review. Click on the Search button above to look for additional classes if you need to enroll in them. You cannot remove these classes once you enroll. Your instructor will need to remove you from the class if you are no longer enrolled.

How to enroll into a class

Search for classes using a class or quiz title, the instructor, or a keyword. You can look for up to four classes and/or two quizzes in a single search. This saves you time when registering for classes.

Search
Type in a class
or quiz name

→

Results
Select the
appropriate class.

→

Finished
Return to your
Classes page.

[Click here to search a new class](#)



FINDING THE QUIZ



- In the Green Quiz Search
- Section Type “Food Handler’s Course”
- Then click “Exact Match”
 - * Use the exact spelling as shown

The screenshot shows the QuizStar website interface. At the top, there is a navigation bar with the QuizStar logo and a 'students' link. Below the navigation bar, there is a welcome message for 'Joey Doe' with links for 'profile' and 'logout'. The main content area is titled 'Class & Quiz Search' and contains a flow diagram with three steps: 'Search' (Type in a class or a quiz to look for), 'Results' (Select, then click to), and 'Finished' (Find out what you have been registered for, then go to Classes). The 'Search' section is highlighted with a yellow background. Below the flow diagram, there are two search sections: 'Class Search' and 'Quiz Search'. The 'Class Search' section has four rows, each with a dropdown menu for 'Class Title' and a search button. The 'Quiz Search' section has two rows, each with a dropdown menu for 'Quiz Title' and a search button. A large red arrow points to the 'Exact Match' button in the 'Quiz Search' section.

students

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[CLASSES](#) [SEARCH](#)

Class & Quiz Search

The classes for which you have registered are listed below. Each class has its own quizzes. Click on the link to the class page to see which quizzes you need to take or may review. Click on the Search button above to look for additional classes to register for. You cannot remove these classes once you enroll. Your instructor will need to remove you from the class if you are to no longer take its quizzes.

Search
Type in a class or a quiz to look for

Results
Select, then click to

Finished
Find out what you have been registered for, then go to Classes

Class Search

Class #1: Class Title

Class #2: Class Title

Class #3: Class Title

Class #4: Class Title

Search for up to four classes at the same time, then click Search.

Quiz Search

Quiz #1: Quiz Title ---> Food Handlers course --->

Quiz #2: Quiz Title ---> --->

Search for up to two quizzes at the same time, then click search.



REGISTERING FOR THE QUIZ



- Check the box next to “Food Handlers Course”.
- Click “Register”.

QuizStar students

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[CLASSES](#) [SEARCH](#)

[Search for Classes/Quizzes](#) > Results

Search Results
Select the classes you wish to register for then click the Register button. The next screen will confirm your registration status for those classes. If you are not satisfied with these results, click the New Search button to perform a new search.

Search
Type in a class or a quiz to look for

Results
Select the class you want to register for

Finished
Find out what you have been registered for, then go to Classes

[← New Search](#) [Register](#) [Cancel](#)

Select the class, then click Register

Quiz #1 Results
Searched: **Food Handlers course**

<input type="checkbox"/>	Quiz Title	Class Title	Instructor Name Email	Time Class Type
<input checked="" type="checkbox"/>	Food Handlers Course	Food Handlers Course	Catharina Lindsey catharina.r.lindsey.mil@mail.mil	NA Public course

1 result(s)

[Register \(to top\)](#)

[← New Search](#) [Register](#) [Cancel](#)

Select the class, then click R



YOU ARE REGISTERED...



- Click “Classes”

The screenshot shows the QuizStar website interface. At the top, the QuizStar logo is on the left, and the word 'students' is on the right. Below the logo, there is a navigation bar with 'CLASSES' and 'SEARCH' buttons. A large red arrow points to the 'CLASSES' button. Below the navigation bar, the main content area is titled 'Finished' and contains the following text: 'You have successfully registered for the classes you selected. Some classes require additional validation from the instructor before you can take their quizzes. Proceed to [My Classes](#) to view all of your classes together.'

Below this text is a flowchart with three steps:

- Search**: Type in a class or a quiz to look for
- Results**: Select the class you want to register for
- Finished**: Find out what you have been registered for, then go to Classes

Below the flowchart, there is a 'Finished' message: 'Finished: You have not selected any class for registration. If you want to register for any class, please select the particular class(es) and register. Some classes require additional validation from the instructor before you can take their quizzes. Proceed to [My Classes](#) to view all of your classes together.'



- Click “Untaken Quizzes”.

QuizStar students

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[CLASSES](#) [SEARCH](#)

Classes

The classes for which you have registered are listed below. Each class has its own quizzes. Click on the link to the class page to see which quizzes you need to take or review. Click on the Search button above to look for additional classes if you need to enroll in them. You cannot remove these classes once you enroll. Your instructor will need to remove you from the class if you are no longer enrolled.

Food Handlers Course	time: NA
	1 Untaken Quizzes
	0 Started Quizzes
	0 Expired Quizzes

- **Untaken Quizzes** are quizzes that have not yet been taken.
- **Started Quizzes** are quizzes that have been taken but which have attempts remaining and are still available for review.
- **Expired Quizzes** are quizzes which have no remaining attempts or which have reached the deadline, but which are still available for review.



- Click “Take”.

QuizStar students

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[CLASSES](#) [SEARCH](#)

Food Handlers Course's Quizzes

Make a selection from the list of [Untaken](#), [Started](#) or [Expired](#) Quizzes to **Take** or **Review** a quiz. If you want instructions about using this page, go to the [Directions](#) at the bottom of this page.

Untaken Quizzes [Help](#)

Quiz Title (with attempts left)	Start Date	Due Date	Points	Scores	Take Quiz	Review Quiz
Food Handlers Course (4)	Always Active	Always Active	100	- - - -	Take	Review

Started Quizzes [Help](#)

Quiz Title (with attempts left)	Start Date	Due Date	Points	Scores	Take Quiz	Review Quiz
There are no Started Quizzes to take.					Take	Review

Completed/Expired Quizzes Quizzes [Help](#)

Quiz Title	Start Date	Due Date	Points	Scores	Take Quiz	Review Quiz
There are no Expired Quizzes to review.					Take	Review

Icon Legend

Quiz Types: Untaken Started Expired

Take Locate the quiz title you wish to complete, then follow the row across to the right and click the button to begin the quiz.

Review Review your performance from your most recent attempt. Quizzes may be reviewed in between attempts, at the completion of your total allotted attempts, when the class has expired, or when the time for taking the quiz has expired.

Directions

The two main functions of this page are to display quizzes from this class that are available to **Take** and to **Review**.

1. To **take a quiz**, find the quiz title then follow the row across to the right until you locate the button **Take**. Click on that button. This will direct you to the page where you receive directions about the particular quiz you are about to take. If this is not the quiz you wish to take you have the ability to Cancel without affecting the performance of that quiz.
2. After you have taken the **quiz attempts** you may be



- You may now start the quiz
- Refer to the slides during the quiz, if needed
- You must receive a score of 90% or higher
- Print the Results page (next slide)
- Bring the Results page to Environmental Health- Public Health at Bldg 610, Room 215 or 202.
- This building is located in the brick building behind the hospital, next to the small brown trailers. The offices are located on the second floor on the side of the building that is closest to the hospital. 785-239-7843
- Remember, any activity that is preparing food, including fundraisers must have EVERYONE handling food receive the Food Handler's training and card. The training must be renewed each year.



QUIZ WEBSITE



- The link for the quiz website:

<http://quizstar.4teachers.org/indexs.jsp>